This versatile, single cartridge, sanitary design filter housing is used for the clarification, sterilization, or high-purity filtration of liquids and gases. The housing offers high reliability and security for continuous or point-of-use service, as well as for small and medium batch processing applications.

**Design Features**

- Accepts one 5", 10", 20", 30" or 40" length cartridge filter
- Flow rates to 20 gpm (76 L min⁻¹) for liquids, or 300 scfm (510 Nm³ h⁻¹) for gases
- Electropolished 316L stainless steel construction gives maximum durability and corrosion resistance
- Quick-release closure clamp allows easy disassembly and fast cartridge filter replacement
- Effective in critical sanitary or high purity service applications
- Smooth, ultraclean surface finish enhances cleanability
- True sanitary design prevents entrapment or build-up of contaminants
- T-type flow configuration with inlet and outlet on the same centerline
- Thermal jacketed bowl available for steam or coolant circulation
- Sanitary vent and drain valves permit easy venting, draining, sampling or integrity testing operations

*Graphs are valid for 5", 10", 20", 30" and 40" housings.
Specifications

Materials of Construction
Head & Bowl: 316L stainless steel
Cast Clamp: 304 stainless steel
Closure Gasket: Silicone standard*
Valve Seal Tip: Teflon®
Valve O-ring: Silicone standard*
*Buna, EPR, Viton® and Teflon® are optional

Surface Finish
Wetted surfaces are polished to ≤ 25 µin Ra finish. Exterior surfaces are polished to buffed-mirror finish. All surfaces are electropolished.

Service Ratings
Liquid: 250 psig at 70°F (17 bar @ 21°C)
Air/gas: 125 psig at 70°F (9 bar @ 21°C)

222 Style
Jacket Ports: 1/2
Inlet/outlet: 1
Connections
Vent/drain valve: 1/4

Cartridge Lengths (Nominal)
5", 10", 20", 30", 40" (12, 25, 50, 75, 100 cm)

Cartridge Connections
222 Style: Accepts single-open-ended (SOE) cartridge filter with external, -226 O-ring style locking adapter. A bayonet connector engages locking tabs on the adapter and locks filter in position to prevent dislodging during use.

Sterilization
The housing can be inline steam sterilized, autoclaved or hot water sanitized.

Mounting
The housing can be mounted in any position and supported by suitably braced, rigid inline tubing connections, or by an accessory housing stand for benchtop use.

Options
In addition to our standard housings, Meissner Filtration Products, Inc. designs and manufactures specially engineered filter housings to meet unique design or process requirements. Variations include, but are not limited to: custom surface finishes to 10 µin Ra, custom connections such as RF flange or other special fittings, custom vent and drain placements, as well as gauge ports. If you need a housing with a unique combination of features, Meissner will custom engineer it to meet your specific requirements. Contact Meissner for details.

Safety
Each Meissner housing is individually inspected, tested and serialized to ensure the highest quality and safety.

Ordering Information

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Design
1 = Standard-Bowl
3 = Bowl w/ 1.5" SF Gauge Port
D = Standard-Cast Clamp
E = High Pressure Bolted Clamp

Cartridge Lengths
5" (12 cm) = 11.5" (29.2 cm)
10" (25 cm) = 18.2" (46.2 cm)
20" (50 cm) = 27.8" (70.6 cm)
30" (75 cm) = 37.7" (95.8 cm)
40" (100 cm) = 47.7" (121.2 cm)

Vent/Drain Option
1 = 10 µin Ra
2 = 20 µin Ra
3 = 30 µin Ra
4 = 40 µin Ra
5 = 50 µin Ra

Element Length
1 = No Vent/Drain
2 = Vent Only
3 = 1/2" SF
4 = Vent & Drain

Inlet/Outlet Option
1 = 1/4" Hose Barb
2 = Vent & Drain

Cartridge Connection
2 = 222 Style
6 = 226 Style

Gasket
S = Silicone
B = Buna
E = EPR
T = Teflon® over Silicone
V = Viton®

Element Lengths
5" (12 cm) = 11.5" (29.2 cm)
10" (25 cm) = 18.2" (46.2 cm)
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Replacement Parts & Accessories
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